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Title of Device	CONNECTION STRUCTURE OF PANEL

Abstract

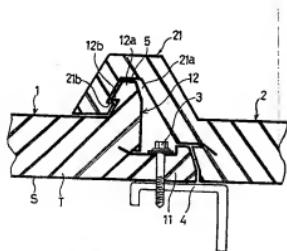
[Purpose]

While preventing the water leakage through the connection part of each panel ash used as the roofing material and damage, it provides the connection structure of the panel for construction possible construction be facilitated, damage have the present invention.

[Configuration]

To achieve the above object, the present invention forms the fastening end (11) in order to fix on the one-sided of the panel ash (1) with the fastening bolt (3). The inside connector (12), forming the mating protrusion (12a) on the inner side and the outside connection part (21) which forms the bonding groove (21a) which is incurred with the mating protrusion (12a) while contacting to the other side of the panel ash (2) with the fastening end (11) described in the above are made have and each panel ash (1) (2) is continued. It is done by feature to set up.

Representative drawing



Description

[The name of design]

The connection structure of the panel for construction.

[The simple description of the drawing]

Figure 1 is a connection structure plan of the conventional panel for construction.

Figure 2 is a part cross-sectional view showing configuration of the present invention.

Figure 3 is a cross-sectional view showing another preferred embodiment of the present invention.

* The description of reference numerals of the main elements in drawings.

1,2: panel ash 11: fastening end.

12: inside connector 12a: mating protrusion.

12b: hitch bed jaw 21: outside connection part.

21a: bonding groove 21b: hitch bed jaw.

3: fastening bolt 4: structure.

5: sealing member.

[The detailed description of design]

The invention relates to the connection structure of the panel for construction, more concretely, to the connection structure of the panel for construction possible construction be facilitated while preventing the water leakage through the connection part of each panel ash used as the roofing material and damage.

Figure the first is the conventional connection structure plan. If it illustrates with reference to this, the panel ash (100) (200) is to the structure of surrounding with the exterior of the adiabatic material (T) with the sheet (S) including the steel sheet etc. The cohesive seat part (210) formed is combined in the connection part of the other side which it forms in order to surround the mating protrusion (110) formed on the connection part of the side which the side does to this panel ash (100) (200) of the shape of a mountain and the connection part is fixed to the fastening bolt (300) to the structure (500). And the cap (400) is inserted on the fastening bolt (300) described in the above.

But in the above case, there is a problem that the conventional structure of being the same construction is troublesome. Rainwater is infiltrated through gap between the cohesive seat surrounded with the connection part of the shape of a mountain with the wind and the water leakage is generated and the adiabatic efficiency is lowered to the damage of the adiabatic material. And the corrosion of the fastening bolt etc. are generated. Blinds moreover, the panel ash in structure.

And there can be the problem of the etc. in which the shear force works on the fastening bolt and in which the fastening bolt is destroyed and which is unable to perform the issuing knuckle as the other problem is the expansion of the panel ash due to the solar energy.

And there is a problem that the connecting member fixing the panel ash is exposed by outside and for the sake of appearance the other problem is not good.

An object of the present invention is to provide the connection structure of the panel for construction in the above case, solve the conventional problem of being the same, and possible construction be facilitated while preventing the water leakage through the connection part of each panel ash used as the roofing material and damage.

In order to implement the above-described purpose, in order to fix on the one-sided of the panel ash with the fastening bolt the present invention forms the fastening end. The mating protrusion is formed on the inner side of the tensioning end. And it comprises with the inside connector, forming the hitch bed jaw on the inner side incline of the mating protrusion and the outside connection part which forms the bonding groove which is incurred with the mating protrusion while contacting with the fastening end () described in the above and each panel ash is united. It is done by feature to set up.

Hereinafter, using the drawing of the attached embodiment. And the present invention is illustrated in detail as follows:.

Figure the second. And the panel ash (1) (2) the embodiment is shown of the present invention is equipped with the one-sided of the panel ash (1) is channel, and the inside connector (12) the mating protrusion (12a) of the mountain shape is formed into the inner side of the fastening end (11) in order to be vacant, it binds in the structure (4) of etc. to the fastening bolt (3) the fastening end (11) is formed the sheet (S) of metal is used the exterior of the adiabatic material (T).

The inner side incline of the mating protrusion (12a) described in the above, the hitch bed jaw (12b) is formed.

And the other side of the panel ash (1), while contacting with the fastening end (11) described in the above, the outside connection part (21) for being combined in the one-sided of the panel ash (1) with the inside connector (12) formed forms the bonding groove (21a) so that the mating protrusion (12a) be inserted. The other hitch bed jaw (21b) hanging on the hitch bed jaw (12b) which forms on the one-sided of the panel ash (1) within the bonding groove (21a) is formed and it is stationarily each panel ash (1) (2) installed in the structure (4) in the fastening bolt (3).

In the above case, bonding groove (12b) have the sealing member (5) including the soft rubber etc. in order to enhance sealability between the mating protrusion (12a) and bonding groove (12b).

In this way, as to the comprised installation method of the present invention, if each panel ash (1) (2) is consecutively set up in the process of binding the bonding groove (21a) formed on the other side part of the panel ash (2) in the mating protrusion (12a) formed on the one-sided of the panel ash (1) after fixing the fastening end (11) formed on the one-sided of the panel ash (1) on the structure (4) with the fastening bolt (3), the state in which the joint (12) (21) is not separated with the hitch bed jaw (12b) (21b) and that is united is achieved.

Figure 3 is another preferred embodiment of the present invention. Each panel ash (1) (2) is united. The mating protrusion (12a) and bonding groove (21a) unite with the curved surface shape.

This present invention the joint (12) (21) is combined to multic-stage or the curved surface and the sealing member (5) is input in the interval. The state fixed in inside with the fastening bolt (3) is achieved. The life of the panel ash and prevention of leakage is lengthened in the strong wind, the heavy rain, or the heavy snow to inside since the inflow of rainwater including the wind etc. is completely blocked.

Moreover, it has the effect that while damage can be prevented for the work in which the joint (12) (21) surrounds the fastening bolt (3) and the shear force including the solar energy etc. is indirect. It is not expressed as anti-corrosion due to rainwater and outer tube and outer tube is simple.

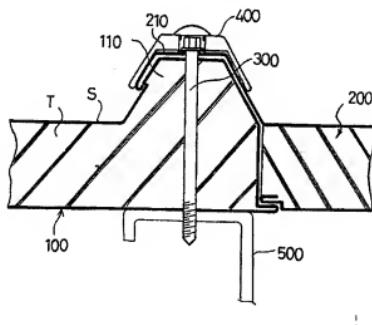
Scope of Claims

■ Claim 1:

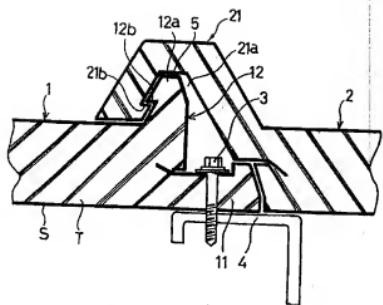
The connection structure of the panel for construction of the connection structure of the panel for construction it forms in, and the outside connection part (12) (21) on both side end point of the panel ash (1) and it continues each panel ash (1); and for being combined, wherein the outside connection part (21) is formed on the panel ash (1) of the state where the adiabatic material is filled on the ladder bone and the fastening end (11) of the inside connector (12) hangs on the single jaw groove which is formed in one side of the bottom part of the outside connection part (21) of the linking terminal projection (12b) (21b) which is formed in the inside connector (12) and inclined contact side to be symmetrical is connected by hanging, to be opened to downward.

Drawing

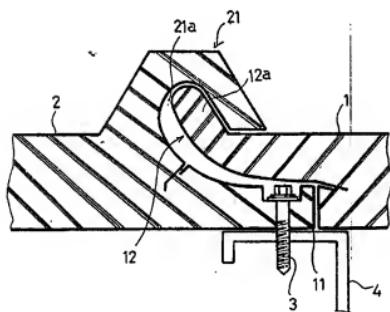
■ Fig. 1



■ Fig. 2



■ Fig. 3



Legal Status

Date	Type of Document	Status
19960422	Application for Utility Model Registration	Received
19960422	Request for Examination	Received
19980721	Notice of Submission of Opinion	Delivery Completed
19980911	Written Opinion	Received
19980911	Amendment including Specification etc.	Received
19980926	Written Decision on Registration	Delivery Completed

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(54) 건축용 판넬의 연결구조

요약

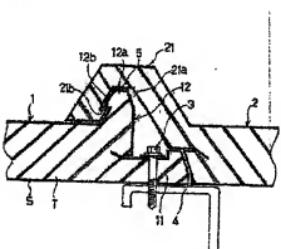
[목적]

본 고안은 지붕재로 사용되는 각 판넬부재의 연결부를 통한 수수한 고장의 확산을 방지하면서 사용이 용이하도록 한 건축용 판넬의 연결구조를 제공함에 있다.

[구성]

상기한 목적을 달성하기 위하여 본 고안은 판넬부재(1)의 고장시키도록 체결단부(11)를 형성하고, 내부에 결합돌출부(12a)를 형성하는 판넬부재(1)의 판넬부재(2)의 단축에 상기의 체결단부(11)와 접하면서 결합돌출부(12a)를 소리니판넬부재(2a)의 판넬부재(2)의 단축에 갖개하여 각 판넬부재(1)과 연속, 설치할 수 있도록 함을 특징으로 한다.

그림 1



설명서

[고안의 명칭]

건축용 판넬의 연결구조

[도면의 간단한 설명]

제1도는 층래의 건축용 판넬의 연결구조도.

제2도는 본 고안의 구성을 보인 일부 단면도.

제3도는 본 고안의 다른 실시예를 보인 단면도.

* 도면의 주요부분에 대한 부호와 설명

1,2 : 판넬부재

11 : 결합부

동쪽길용신안실 0134667

12 : 너축합함부	12a : 너축합함부
12b : 절정단부	21 : 외경화단부
21a : 결합층	21b : 절정단부
3 : 체결층트	4 : 허 : 단
5 : 체결부재	

[고양이 雜誌 189]

그러나 삼기에서 와 같은 종려의 구조는 시골이 번거롭고 신창은 예술부부로 찾는 드라마 티사이의 름새를 통하여 바람과 함께 빗물이 침투되어 누수가 발생되어 드라마 손실으로 대처방법을 규제하시기로 되어.

또 다른 문제점은 미안열로 인한 판부부재의 평형으로, 그 극端으로는 판부가 파고도

또 다른 문제점은 판권부재를 고정시키는 체결부서가 오피스·제작·마케팅·판권·출판·금융·법적증이 있다.

여는 관찰부재를 통한, 출시방법 확장으로 한다

한국교원대학교 교육대학원 대학원생 학제적 융합형 교육대학원

상기에서 결합돌출부(12a)와 결합홀(12b)의 사이에 유품(13)과 유플러먼트(14)를 두루뭉술한 부재(5)를 배치하였다.

제3도는 본 고안의 다른 실시예로서, 각 관별투재(11a) 및 관별(12a) 및

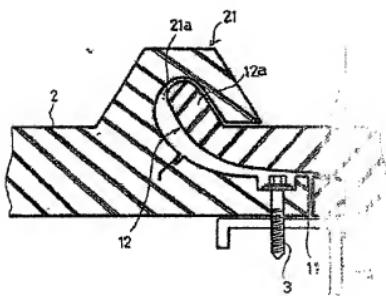
또한 체결볼트(3)를 결합부(12)(21)가 강싸고 있어 결합부(12)(21)가 충격이나 충돌로 인해 파손을 당할 수 있으므로, 비틀을 위한 보호방법과 함께 체결볼트(3)를 결합부(12)(21)에 적용하는 경우에 체결볼트(3)가 결합부(12)(21)에 충격이나 충돌로 인해 파손되는 것을 방지하는 효과를 얻을 수 있다.

(57) 원구의 범위

전 그림 1

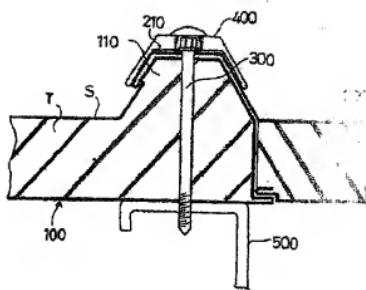
등록 상용신안실0134667

도면3



도면

도면 1



도면 2

